

AMENDMENTS TO THE CLAIMS

Following is a complete and revised listing of the claims, marked with status identifiers in parentheses, underlines indicating insertions, and strikethroughs or double-brackets indicating deletions. This listing is to replace all prior listings of the claims.

1. (Currently Amended) A procedure for the control of a respirator device, in which one can set at least two different pressure levels for a breathable gas supply, comprising: and in which

capturing at least ~~two-respirator-one-threetreatment~~ parameter-is-captured-parameters by measurement technique ~~and is evaluated;~~ and

evaluating the at least ~~two-three~~ parameters ~~for the control of the respirator~~
~~pressure~~the treatment; characterized in that, wherein at least ~~two-one-three~~ of the ~~respirator~~
~~treatment~~parameters is are modified as a function of a pattern recognition; and wherein, in order
to carry out the pattern recognition, ~~the~~ time-wise evolution of a pattern of at least ~~two~~
~~respirator-one-threetreatment~~ parameters is captured, at least at intervals, and is analyzed with
respect to typical evolution patterns, and wherein the respirator device is controlled in an
adaptive manner such that time-wise evolution of the at least ~~two-respirator-three~~ parameters
maintain, at most, a predefined maximum difference from the typical evolution patterns, and
wherein the at least three parameters include respiratory pressure, respiratory flow, and
respiratory impedance.

2. **(Previously Presented)** A procedure according to claim 1, ~~characterized in that~~ wherein an existing pressure level for breathing support is overlaid, at least temporarily, with a stimulating stream oscillating at a defined frequency.

3. **(Previously Presented)** A procedure according to claim 1, ~~characterized in that~~ wherein after a selective evaluation of an oscillatory pressure amplitude, occurring with the a frequency of the a stimulating stream in the air delivery of a patient, ~~(which corresponds~~ corresponding to a breathing resistance of the patient), a selection of the respective pressure amplitude is carried out.

4. **(Previously Presented)** A procedure according to claim 3, ~~characterized in that~~ wherein a CPAP respirator treatment is carried out.

5. **(Previously Presented)** A procedure according to claim 3, ~~characterized in that~~ wherein at least one electrical signal is evaluated during the pattern recognition.

6. **(Previously Presented)** A procedure according to claim 1, ~~characterized in that~~ wherein a physical signal is evaluated during the pattern recognition.

7. **(Previously Presented)** A procedure according to claim 3, ~~characterized in that~~ wherein a derivation of classes of errors is implemented in the a context of the pattern recognition.

8. **(Previously Presented)** A procedure according to claim 1, ~~characterized in that~~ wherein an OPS signal (Oscillating Pressure Signal) is evaluated.

9. **(Previously Presented)** A procedure according to claim 1, ~~characterized in that~~
wherein a static pressure signal is evaluated.

10. **(Previously Presented)** A procedure according to claim 1, ~~characterized in that~~
wherein a pressure variation is evaluated.

11. **(Previously Presented)** A procedure according to claim 1, ~~characterized in that~~
wherein a flow signal is evaluated.

12. **(Previously Presented)** A procedure according to claim 1, ~~characterized in that~~
wherein a signal proportional to at least one of the flow signal and/or to a pressure-dependent
signal is evaluated.

13. **(Currently Amended)** A procedure according to claim 1, wherein ~~characterized~~
~~in that~~ an electrical-drive parameter of the compressed-gas supply is evaluated.

14. **(Previously Presented)** A procedure according to claim 1, ~~characterized in that~~
wherein, in the pattern recognition, distinctive form features are evaluated.

15. **(Previously Presented)** A procedure according to claim 1, ~~characterized in that~~
wherein, in the pattern recognition, distinctive time features are evaluated.

16. **(Previously Presented)** A procedure according to claim 1, ~~characterized in that~~
wherein, following the pattern recognition, a class assignment is carried out.

17. (Withdrawn-Currently Amended) An apparatus for monitoring at least ~~two~~ ~~respirator-threcone-treatment~~ parameters in the breathing-gas supply to a patient, featuring comprising:

at least ~~one-two~~ sensor-sensors for the capture of the time-wise evolution of the ~~respirator-treatment~~ parameters, which ~~sensor-is~~ sensors are arranged in the area of an air delivery, which encompasses a respirator device as well as a connecting installation; ~~characterized in that wherein~~ the ~~sensor (5)-is~~ sensors are connected to an analyzer (11) which carries out a pattern recognition and which is attached to a control (6) for the modification of at least ~~two-respirator-onethreetreatment~~ parameters, and wherein a time-wise evolution of a pattern of at least two-respirator-three parameters is captured, at least at intervals, and is analyzed with respect to typical evolution patterns, and wherein the respirator device is controlled in an adaptive manner such that time-wise evolution of the at least two-respirator three parameters maintain, at most, a predefined maximum difference from the typical evolution patterns, and wherein the at least three parameters include respiratory pressure, respiratory flow, and respiratory impedance.

18.-34. (Cancelled)